

**MICORESTER™ HT-47 FLOOR RESURFACER**

**MICORESTER™ HT-47 FLOOR RESURFACER** is a high performance vinyl ester based resin which is applied in aggregate filled layers to provide a dense non-porous finish. **MICORESTER™ HT-47 FLOOR RESURFACER** provides outstanding resistance to oils, fats, water and corrosive liquids. Specially selected aggregates provide exceptional physical strengths, as well as, resistance to abrasion, scratching, scuffing, staining, denting, bacteria, and fungus,. The final texture of the surface may be adjusted to fit service requirements. **MICORESTER™ HT-47 FLOOR RESURFACER** needs no waxing, is lightweight and easily installed. U.S.D.A. approved for incidental food contact.

**PRODUCT INFORMATION:**

**MICORESTER™ HT-47 FLOOR RESURFACER** is installed in aggregate filled layers to produce a high performance floor with excellent chemical resistance to corrosive liquids and that performs well over a wide range of temperatures. This material is noted for its quick, easy installation and low maintenance requirements. **MICORESTER™ HT-47 FLOOR RESURFACER** includes our special deep penetrating **PVE Primer** as the first coat. The **PVE Primer** is a moisture cured product that creates an extremely strong, impenetrable moisture barrier and a secure bond to the substrate.

**FEATURES:**

- \* Quick and Easy Installation
- \* Superior chemical resistance
- \* Performance under extreme temperatures
- \* Custom texture, slip resistant finish
- \* Low maintenance--Easy to clean
- \* Non-porous finish
- \* Bacteria resistant
- \* U.S.D.A. approved for incidental food contact

**AREAS OF APPLICATION:**

food processing areas	paper mills
breweries	wet process areas
warehouses	chemical plants
traffic aisles	outside areas
production areas	food plant floors
parking ramps and garages	ramps and docks
slippery areas	coolers and freezers
refinery tank houses	ore processing areas

**PHYSICAL/CHEMICAL CHARACTERISTICS:**

<b>Compressive strength</b>	. . . . .	23,000 psi
<b>Flexural strength</b>	. . . . .	17,000 psi
<b>Tensile strength</b>	. . . . .	11,000 psi
<b>Flexural Modulus</b>	. . . . .	570,000 psi
<b>Barcol hardness</b>	. . . . .	47
<b>Tensile elongation</b>	. . . . .	4%
<b>Adhesive strength</b>	. . . . .	400 psi*
<b>Heat distortion point.</b>	. . . . .	230°F
<b>Specific gravity.</b>	. . . . .	1.2

\* exceeds strength of concrete

**Colors** . Grey, Red, Green, Tan, Brown, Black

<b>Coverage:</b>	<b>55 Gallon Unit</b>	<b>5 Gallon Unit</b>
4 ply (1/4" thick)	550 to 650 sq. ft.	55 to 60 sq. ft.
5 ply (1/4 - 3/8" thick)	450 to 550 sq. ft.	45 to 50 sq. ft.
6 ply (3/8" thick)	400 to 500 sq. ft.	40 to 45 sq. ft.

**Actual** . . . . . Variable depending upon texture, porosity and thickness of the substrate.

**Tack Free Time** 2 - 4 Hours (depending on humidity)  
**Service Time** . . . . . 24 - 48 Hours

**PACKAGING:**

**MICORESTER™ HT-47 FLOOR RESURFACER** is packaged and sold in five gallon units and 55 gallon drum units.

### **TEMPERATURE LIMITATIONS:**

Installation and cure at 70° - 80°F. Lower temperatures will effect the cure

### **SURFACE PREPARATION:**

Surfaces preparation is the most important part of any installation. The area must be clean, dry, and rough prior to application of **MICORESTER™ HT-47 FLOOR RESURFACER**. Remove any existing coating, wax, grease, dirt, weak concrete and etc. from the surface. Prepare concrete by acid etching, scarifying or abrasive blasting. New concrete should be completely cured before applying **MICORESTER™ HT-47 FLOOR RESURFACER**. Normally, 28 days cure is required on standard concrete of 10 days on high early concrete.

If the acid etching method is used, a 10% muriatic acid solution should be applied at 50 sq. ft. per gallon. Allow this to react for 3 to 4 minutes before flushing with clean water under pressure. Neutralize with an ammonia solution (½ pint per gal. of water) then flush with clean, cool water.

Key all open edges, doorways and drains in order to maintain minimum overlay thickness and avoid feather edging the material.

### **APPLICATION:**

- 1) **READ AND UNDERSTAND ALL LABEL WARNINGS AND THE M.S.D.S. SHEETS.**
- 2) **Remove all ignition sources form the work area and insure the area is properly ventilated.**
- 3) **Apply the PVE Primer, a single component product that requires no mixing or blending, in a thin even coat. Allow to dry for 1 hour.**
- 4) **Next mix together the Resin and Catalyst for 2 minutes until blended thoroughly.**
- 5) **Apply the material using a squeegee and broadcast a thin layer of aggregate.**
- 6) **Allow to dry 3 hours and repeat this process until the desired thickness and texture of floor is produced.**
- 7) **Finish the application with a mixture of the Resin, Catalyst and WAX Sealer.**

**SEE THE MICORESTER™ INSTALLATION INSTRUCTIONS FOR FULL DETAILS.**

### **STORAGE AND SHELF LIFE:**

Stored at room temperature (77° F), in a clean, dry place, the unopened materials should have a six

month shelf life. The Catalyst is heat sensitive and should not be stored over 77°F.

### **HANDLING PRECAUTIONS:**

**MICORESTER™ HT-47 FLOOR RESURFACER** is intended for industrial and commercial use only. **MICORESTER™ HT-47 FLOOR RESURFACER** contains solvents which give off a styrene odor until cured. **USE ONLY WITH PROPER VENTILATION.** Foodstuffs must be protected, by the customer, from absorbing this odor during the installation and cure. Proper ventilation to the outside is important to assist in dissipating the odor. Prolonged contact with skin can cause irritation. **ALWAYS WEAR PROTECTIVE CLOTHING AND CHEMICAL SPLASH GOGGLES TO AVOID EYE CONTACT.** **MICORESTER™ FLOOR RESURFACER** is **FLAMMABLE**, extinguish fires involving with foam, dry powder or carbon dioxide.

**READ THE M.S.D.S. SHEET BEFORE USING.**

### **CLEAN UP:**

Clean tools immediately with a solvent such as lacquer thinner or acetone. These products are **HAZARDOUS** and must be used with **CAUTION** and **MUST** be used with appropriate **VENTILATION**. See their M.S.D.S. sheets for appropriate use.

### **COMPLIMENTARY INFORMATION:**

Our full service lab and technical engineers are available to assist you. For complete information on all systems, contact your local Dealer or our factory at 1-800-284-4308.

**LIMITED WARRANTY:** Micor Company Inc. warrants to the original purchaser of its products that they are in conformance to the formulation standards of Micor Company, Inc. and that such products are free from manufacturing defects. Original purchaser's only remedy is replacement of the product. Micor does not warrant or guarantee the workmanship performed by any person or company installing its products. In no event shall Micor be liable for any incidental or consequential damages. This warranty is expressly given in lieu of all other warranties express or implied, including the warranties of merchantability and fitness for use and all other obligations or liabilities on Micor's part. Micor neither assumes nor authorizes any person or persons to assume for us any other liability in connection with the sale of Micor products. This warranty shall not apply to any of Micor's products which have been subject to alteration, abuse or misuse. Micor makes no warranty whatsoever in respect to parts, materials or accessories not supplied by Micor Co. which are used in connection with its products. The term "original purchaser" in this warranty applies to that person, company or corporation to which Micor Company Inc. sold its product or products. The original purchaser accepts these terms and conditions and hereby expressly waives any claim to additional damages.

**CAUTION:** Always keep out of the reach of children.